Hurricane Katrina Data Download Tutorial: Hazards Data Delivery System (HDDS)

There are currently two methods to download individual (tiled) data/imagery from the Hazards Data Delivery System (HDDS)

- **FTP Access**
- **Tiled Data Delivery Capability**

Additionally there are two methods to download seamless data from HDDS.

- **Define area by rectangle on map interface**
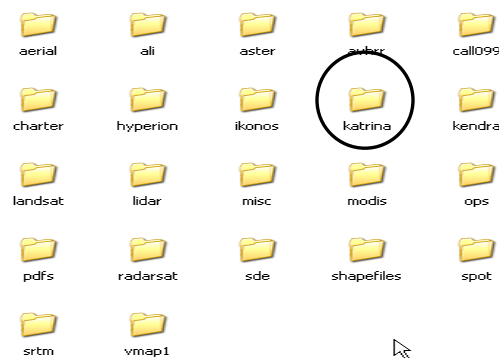- **Define area by coordinates**

FTP Access:

1. At http://gisdata.usgs.gov/website/disaster_response, **click on Katrina button**

2. **Click** on Interactive Viewer –

3. Once the map loads, **Click FTP button** on left side of the map under **Tools**. A new screen will appear with a list of folders.

Click on the Katrina folder.

Once in the Katrina folder, the data is arranged by dataset. **Click** on the desired folder and **copy** data to desired location.

Direct link to FTP access site – ftp://edcftp.cr.usgs.gov/pub/data/disaster/katrina
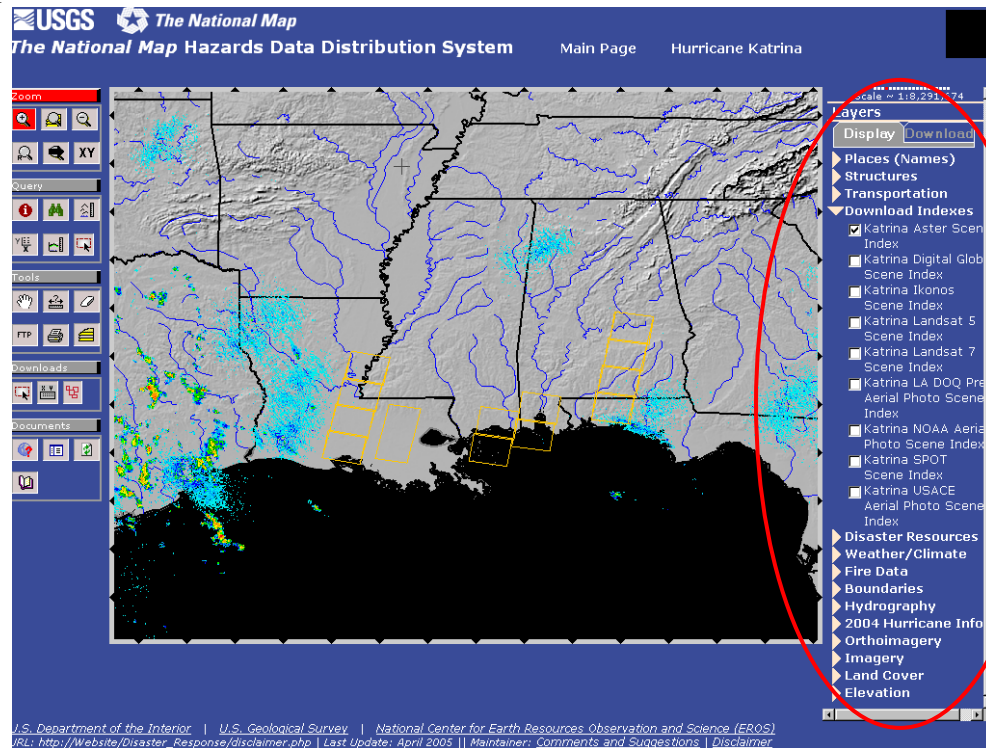
Tiled Data Delivery Capability:

The Tiled Data Delivery Capability allows a user to select specific (tiled) data/imagery by using indexes and the Tile Selection button. The user can select a layer (i.e. Katrina Aster Scene Index) to see the coverage area, and then use the Tile Selection button to select the data/imagery and draw/define a box area on the map interface. This will retrieve the images within or touching the user defined box. The data can then be downloaded.

1. At http://gisdata.usgs.gov/website/disaster_response **click on Katrina button**
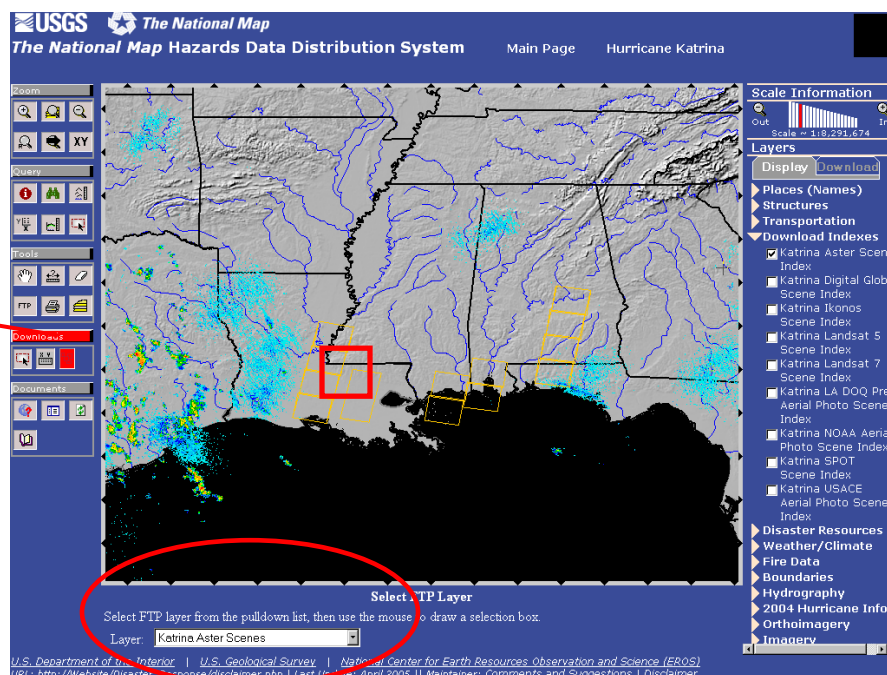
2. **Click** on Interactive Viewer –

3. Click on the arrow next to the 'Download Indexes' category under the Display tab on the right side of the map. Click on the desired data index(s) to display the coverage on the map.

4. Once the index layer is displayed on the map, under the Download section on the left side of the map, click on the **Tile Selection button** and select the desired data/imagery (below the map) using the **dropdown menu.** Then use the **mouse** to draw a box around the desired area of interest. (Click and hold the left mouse button to start the box and release the left button to complete the box)

Tile Selection button

(the red box area on the map represents the area of interest)

5. Once the box is drawn a new window will display a list of available data. **Click** on the desired result/image and download/save to computer.


Note: Browse images and corner coordinates will be coming soon.

Seamless Data – Hazards Data Distribution System:

1. At http://gisdata.usgs.gov/website/disaster_response **click on Katrina button**

2. **Click** on Interactive Viewer –

3. Zoom into the area of interest and select the desired seamless data to download. On the right side of the map, click the **Download Tab**. Click on the **arrow** next the desired category. A list will display of **available data**. Click the **box beside the product**. This will flag the system that **National Elevation Dataset (NED) 1 arc second data** will be downloaded.
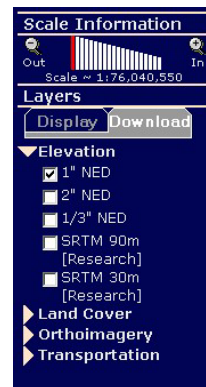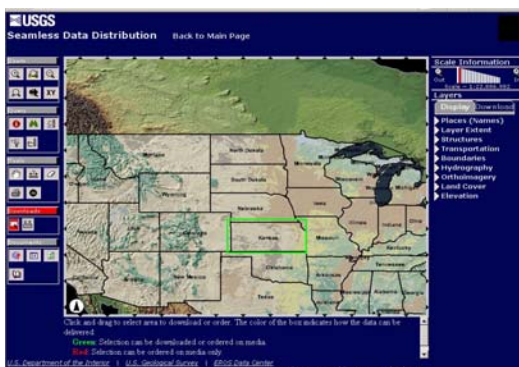
Download Tools to Define Area

1. **Download** tools are used to mark the area of interest and submit the information to the system to extract.

2. The **first button is Select By Rectangle.** Click on button. **Next using the mouse, click and drag a box over the area of interest. The outline box will appear green as it is drawn. Releasing the mouse will start the processing page.** There is a limit to the size of area that can be downloaded at a time. The type of product and the more products selected, the smaller the area that can be selected. The limit is reached when the outline box turns red. A message will display that the limit has been reached and to redefine the area. Below are two examples of size limits of products:

Example Illustrating NED 1 arc second	Example Illustrating High Resolution Orthoimagery
(Green box around the state of Kansas)	(Green box around Washington DC area)

3. The **second button is Define Area By Coordinates.** Click on button and a separate window will appear. **Enter coordinates and click OK**, then the processing page will start.

4. The processing page will compile the area and product selected, as well as calculate a size estimate for downloading. Once the processing page is complete, the **SDDS Request Summary** page will display the results.

SDDS Request Summary Page

1. The **SDDS Request Summary** page contains:
- **List of product (s) selected** – The list contains the product (s) selected, a thumbnail of the product, coordinates of the download piece, estimated size of the download pieces, data host name, and download button.

- **Link to different download options -- Modify Data Request** allows a user to change the defaults for the download product. Modifications can be made to Data Format, Archive Format, and Metadata Format. Products can be checked or unchecked.

- **HELP –** Information about SDDS Request Summary page and Modify Data Request.

Note: *The SDDS Request Summary page can be bookmarked to save and return to at a later time*.

Downloading

1. **Click the download button from the SDDS Request Summary list. Current Order Status page will appear**, providing messages of the progress of the extraction. A request is made to the product database to extract the defined area and product. The extraction progress is displayed in the popup window.
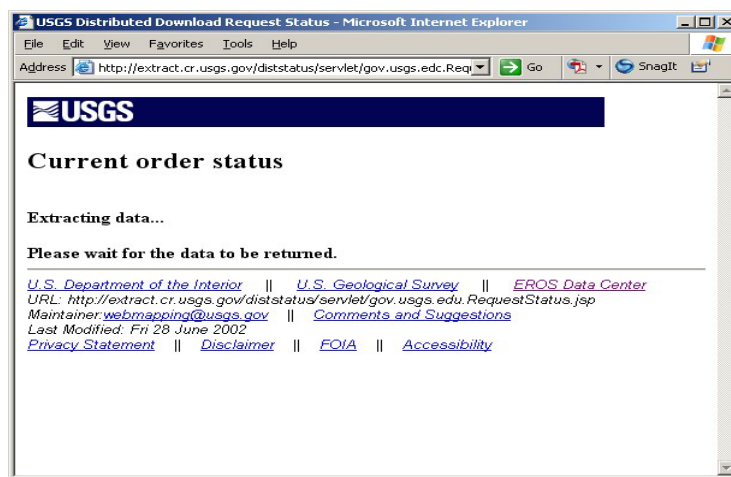
2. Once '**Raster Extraction Complete'** is displayed, a **SAVE** option will appear. The random numbered zip file can be saved to the computer hard drive.

4. **Unzip the file and it is ready to for use.**